

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61L9/12 F24F3/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61L F24F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001/023593 A1 (IMASAKA TOSHIYUKI ET AL) 27 September 2001 (2001-09-27) paragraphs '0005! - '0018!; figure 1	1-11
A	WO 99/59832 A (HARA SHINICHI ; HAYASHI NAOTO (JP); ZEXEL CORP (JP)) 25 November 1999 (1999-11-25) abstract; figures 5,6	1-11
A	US 2002/197186 A1 (MURRAY JOSEPH C) 26 December 2002 (2002-12-26) abstract; figures 1,12	1-11
A	US 2001/035095 A1 (CANFIELD DAVID) 1 November 2001 (2001-11-01) abstract; figure 1	1-11
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

9 November 2004

Date of mailing of the international search report

17/11/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 0186, no. 69 (M-1725), 16 December 1994 (1994-12-16) & JP 6 262937 A (ZEXEL CORP), 20 September 1994 (1994-09-20) abstract	1-11
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 13, 30 November 1999 (1999-11-30) & JP 11 211126 A (SHARP CORP), 6 August 1999 (1999-08-06) abstract	1-11

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/002655

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